

TRANSCIVER FRONT-END

ABSTRACT OF THE DISCLOSURE

A transceiver front-end provides an interface between a transmission medium and transmitter, and between a transmission medium and receiver. The transceiver front-end includes a hybrid circuit, a high-pass filter, and a gain stage, that permits the reduction or the complete elimination of buffer amplifiers. Buffer amplifiers can be eliminated because the hybrid circuit and/or the high-pass filter are adapted so that they can be directly connected to each other, without a loss in circuit performance. Furthermore, the high-pass filter and/or the gain stage are also adapted so they can be directly connected. As such, the transceiver front-end can be constructed using all passive components, reducing or eliminating excess heat generation.

A288-38 wpd